## EXHIBIT 64

## Redacted Excerpts from the Second Deposition of Dr. Hal Singer

Page 338

IN THE UNITED STATES DISTRICT COURT FOR THE DISTRICT OF NEVADA

- - -

CUNG LE, NATHAN QUARRY, JON: CIVIL ACTION

FITCH, BRANDON VERA, LUIS:
JAVIER VAZQUEZ, and KYLE:
KLINGSBURY on behalf of:
themselves an others:
Similarly situated,:

Plaintiffs : CASE NO.

: 2:15-cv-01045-RFB

vs. : (PAL)

:

ZUFFA, LLC d/b/a ULTIMATE :
FIGHTING CHAMPIONSHIP and :
UFC, :

Defendants :

Tuesday, January 23, 2018 DAY 2

Continuation of videotaped deposition of HAL J. SINGER, Ph.D., taken pursuant to notice, was held at the offices of BERGER & MONTAGUE, P.C., 1622 Locust Street, Philadelphia, PA 19103, commencing at 10:19 a.m., on the above date, before Lori A. Zabielski, a Registered Professional Reporter and Notary Public in and for the Commonwealth of Pennsylvania.

MAGNA LEGAL SERVICES 866.624.6221 www.MagnalS.com



carve-out for a certain set of contracts, but you would have to make sure that those contracts don't account for too large of a share of a market. There are lots of ways that you could restructure the contract, and I how it could be done to come into compliance with, say, a 30 percent for forcelosure requirement.  Q. All right. And at this point following your rebuttal report, you are still, depending on your analysis about where the Court draws the line as to wharfs an exclusionary arrangement.  MR. CRAMER: Objection to form.  Am I correct about that?  MR. Cray dit at one year, you wouldn't be in compliance.  Am I correct about that?  MR. CRAMER: Objection to form.  But how about can we try a different hypothetical or did you - maybe you meant to do that.  MR. CRAMER: Objection to form.  BY MR. ISAACSON: Q. Well, no. I was not trying to top targinificance of 365 days versus for the cases, other economic  Page 380  articles and, of course, most inform the decision-making based on my experience, my reading of other cases, other economic  page 380  articles and, of course, most inform the decision-making based on my experience, my reading of other cases, other economic  Page 380  articles and, of course, most inform the decision-making based on the average career length of a fighter. I think that all those things should inform what the line should be.  Am I correct about that?  A. Got it. Got it. Sorry.  Then I didn't hear that the first time, but lam with you now.  Lam with you now.  A. Got it. Got it. Sorry.  Then I didn't hear that the first time, but-for world result in forcelosure and that would be the potential parameters that were one year and office the duration in Zuffa's contracts when it had less market power than it does now as what I think would be a reasonable proxy for the duration of the contract.  A. Well, it's certainly getting toward and parameters that were one year of lower?  A. Well, it's certainly getting toward and parameters that were one year of lower and you and you and you and you and			Page 379			Page	381
but you would have to make sure that those contracts don't account for too large of a share of a market. There are lots of ways that you could restructure the contract, and I have — of course, I have opinions as to how it could be done to come into compliance with, say, a 30 percent foreclosure requirement.  Q. All right. And at this point, following your rebuttal report, you are still, depending on your analysis about where the Court draws the line as to what's an exclusionary arrangement. Am I correct about that? The with the decision—making based on my experience, my reading of other cases, other economic  Eage 380  articles and, of course, most importantly, I go back to this, the average career length of a fighter. I think that all those things should inform what the line should be. Thave tried to —I have tried to offer what I think would be a fair number. I have be a fair number	1	come out for a contain set of contracts	rage 375	1		rage	301
thase contracts don't account for too large of a share of a market.  There are lots of ways that you could restructure the contract, and I have - of course, I have opinions as to how it could be done to come into compliance with, say, a 30 percent  Q. All right. And at this point, following your rebuttal report, you are still, depending on your analysis to what's an exclusionary arrangement.  Am I correct about that?  MR. CRAMER: Objection to foreclosure requirement.  Owards an exclusionary arrangement.  Am I correct about that?  MR. CRAMER: Objection to form.  In point, following your perbuttal report, you are still, depending on your analysis to what's an exclusionary arrangement.  MR. CRAMER: Objection to form.  In point, following your rebuttal report, you are still, depending on your analysis to what's an exclusionary arrangement.  MR. CRAMER: Objection to form.  In point, following your rebuttal report, you are still, depending on your analysis to what's an exclusionary arrangement.  MR. CRAMER: Objection to point, following your rebuttal report, you wouldn't be in compliance.  But how about can we try a different hypothetical or did you maybe you meant to do that.  WR. ISAACSON: Q. Well, no. I was not trying to put significance of 365 days versus that ultimately would fall to the importantly, I go back to this, thing should inform what the line should be.  Fage 380  Fage 382  Then I didn't hear that the first time, but I am with you now.  Q. Okay. With that assumption, in your report and that but-for world to receive the duration in Zuffa's contracts when it had less market pointed to the duration of the contract.  Page 182  Was not exclusionary A. Got it. Got it. Sorry. Then I didn't hear that the first time, but I am with you now.  Q. Okay. With that assumption, in your report and that but-for world in your report and that but-for world in your report and that but-for world in your printen, you did nat appropriate but-for world. It seems like eve could we could restructure the contracts when							
large of a share of a market.   4   of 30 percent or lower?							
There are lots of ways that you could restructure the contract, and I have of course, I have opinions as to how it could be done to come into compliance with, say, a 30 percent foreclosure requirement. Q. All right. And at this point, following your rebuttal report, you are still, depending on your analysis to whar's an exclusionary arrangement. The with wear are close. I think what I am getting tripped up on is you said one year or more would be exclusionary. And then, of course, if you did it at one year, you wouldn't be in compliance.  But how about can we try a different hypothetical or did you maybe you meant to do that. BYMR. ISAACSON:  Q. Well, no. I was not trying to that ultimately would fall to the fact-finder. I have tried to inform the decision-making based on my experience, my reading of other cases, other economic  Page 380  1 articles and, of course, most importantly, I go back to this, the average career length of a fighter. I think that all those things should inform what the line should be. Thave tried to I have tide to offer what I think would be a fair number. I have in pointed to the duration in Zuffa's contracts when it had less market pointed to the duration in the contract. BYMR. ISAACSON:  1 articles and, of course, most importantly, I go back to this, the average career length of a fighter. I think that all those things should inform what the line should be. Thave tried to I have tide to offer what I think would pointed to the duration in Zuffa's contracts when it had less market pointed to the duration of the contract. BYMR. ISAACSON:  A. Well, are average carely the duration plus some other potential parameters that you pointed to in your opinion, would an appropriate but-for world be contracts that were one type of the duration in Zuffa's contracts when it had less market pointed to free what I think would pointed to the duration of the contract. Symbol and propriate but-for world  The duration plus some of the pointed to the duration of the contract. Court were to de							
6 you could restructure the contract, and I 7 have of course, I have opinions as to 8 how it could be done to come into 9 compliance with, say, a 30 percent 10 foreclosure requirement. 11 Q. All right. And at this 12 you are still, depending on your analysis 13 you are still, depending on your analysis 14 about where the Court draws the line as 15 to what's an exclusionary arrangement. 16 Am I correct about that? 17 MR. CRAMER: Objection to 18 form. 19 THE WITNESS: Well, I think we are close. I think what I am 19 getting tripped up on is you said 10 one year or more would be 11 exclusionary. And then, of 12 course, if you did it at one year, 13 you are still, depending on your analysis 14 about where the Court draws the line as 15 to what's an exclusionary arrangement. 16 Am I correct about that? 17 MR. CRAMER: Objection to 18 form. 19 THE WITNESS: Well, I think 10 exclusionary. And then, of 11 course, if you did it at one year, 12 you wouldn't be in compliance. 15 But how about can we try a 16 different hypothetical or did 17 you maybe you meant to do that. 18 YMR. ISAACSON: 19 THE WITNESS: Well, I think 10 exclusionary. And then, of 10 course, if you did it at one year, 11 you wouldn't be in compliance. 15 But how about can we try a 16 different hypothetical or did 17 you maybe you meant to do that. 18 YMR. ISAACSON: 18 WY MR. ISAACSON: 19 THE WITNESS: Well, I think 20 would be an exclusionary and then, of 21 course, if you did it at one year, 22 would an appropriate 22 the court and the seculation of the contract of some the property of the duration in Zuffa's 23 on my experience, my reading of 24 other cases, other economic  Page 380  1 articles and, of course, most 22 importantly, I go back to this, 23 the average career length of a 24 fighter. I think that all those 25 things should inform what the line 26 should be. 27 I have tried to I have 28 tried to offer what I think would 29 be a fair number. I have in 20 fact, in this report, I have 21 pointed to the duration in Zuffa's 22 contracts					*		
Tave - of course, I have opinions as to compliance with, say, a 30 percent of foreclosure requirement.   10							
how it could be done to come into compliance with, say, a 30 percent of foreclosure requirement.  Q. All right. And at this 11 course, if you are still, depending on your analysis 13 you are still, depending on your analysis 13 you ware still, depending on your analysis 14 about where the Court draws the line as 14 to whars an exclusionary arrangement. 15 to whars an exclusionary arrangement. 15 form. 17 MR. CRAMER: Objection to 17 MR. CRAMER: Objection to 18 form. 18 form. 19 THE WITNESS: I think that 19 to hard tultimately would fall to the 21 fact-finder. I have tried to 22 inform the decision-making based 23 on my experience, my reading of 24 other cases, other economic 24 importantly, I go back to this, 3 the average career length of a fighter. I think that all those things should inform what the line should be. 10 fact, in this report, I have tried to offer what I think would be a reasonable proxy 10 fact, in this report, I have 11 pointed to the duration in Zuffa's 12 contracts when it had less market 22 power than it does now as what I 14 think would be a reasonable proxy 14 finish would an appropriate but here of or your rebuttal report, if the Court cases, of an arrangement. 19 the would an appropriate but here of your rebuttal report, if the Court cases of 30 percent or less? 20 A. Well, it's certainly getting that when I were one very rad in think would be a reasonable proxy 14 the end of your rebuttal report, if the court cases of 30 percent or less? 20 A. Well, it's certainly getting that when I went back and calculated the end of your rebuttal report, if the court was that the first time, but I finish that end the of court rest that it had be a fair number. I have re now at the end of your rebuttal report, if the court was that the first time, but I finish that getting the duration longer be in exclusionary, would that — if — 20 court were exclusionary, would that — if — 21 court and that but-for world be a fact-finder deem exclusionary and in violation of the antitrust laws is a		· ·					
ocompliance with, say, a 30 percent foreclosure requirement. 10 Q. All right. And at this 11 point, following your rebuttal report, 12 about where the Court draws the line as 13 to what's an exclusionary arrangement. 14 about where the Court draws the line as 15 to what's an exclusionary arrangement. 16 Am I correct about that? 17 MR. CRAMER: Objection to 18 form. 18 form. 19 THE WITNESS: I think that 19 that ultimately would fall to the 20 inform the decision-making based 21 articles and, of course, most 22 importantly, I go back to this, 23 the average career length of a 4 fighter. I think that all those 25 things should inform what the line 26 should be. 27 I have tried to — I have 28 tried to offer what I think would 29 be a fair number. I have — in 20 fact, in this report, I have 20 pointed to the duration in Zuff'a's 21 courtacts when it had less market 22 power than it does now as what I 23 power than it does now as what I 24 sure I understand where you are now at 25 the duration of the contract. 26 SYMR. ISAACSON: 27 A Got it. Got it. Sorry. 28 A Got it. Got it. Sorry. 38 A got it and with you now. 49 Q. Okay. With that assumption, in your opinion, would an appropriate but-for world be contracts that were one year or less in duration, plus some other potential parameters that you pointed to the appropriate but-for world. It seems like we could — we could restructure the cortracts when I had less market power than it does now as what I 39 Q. All right. And just to make sure I understand where you are now at the end of your rebuttal report, if the courtacts where the contracts of one year or more will be contracts law the end of your rebuttal report, if the courtacts where the contracts of one year or more will be contracted to fine duration, such that when I went back and calculated foreclosure, it would no longer be in exclusive contracts of one year or more will be contracted by reducing the duration, such that when I went back and calculated foreclosure, it would no longer be in exclusive contracts of							
foreclosure requirement.  Q. All right. And at this point, following your rebuttal report, you are still, depending on your analysis to whar's an exclusionary arrangement.  MR. CRAMER: Objection to form.  THE WITNESS: I think that fact-finder. I have tried to mny experience, my reading of other cases, other economic  Page 380  Tarticles and, of course, most importantly, I go back to this, the average career length of a fighter. I think that all those things should inform what the line should be. Thave tried to offer what I think would be exclusionary arrangement.  The wind the contracts when it had less market pointed to the duration in Zuffa's contracts when it had less market put had a ppropriate but-for world contracts when it had less market put had a ppropriate but-for world contracts when it had less market put had a ppropriate but-for world contracts when it had less market put had a ppropriate but-for world contracts when it had less market put had be. course, if you did it at one year, you wouldn't be in compliance. But thow about can we try a different hypothetical or did you maybe you wenth to do that. But how about can we try a different hypothetical or did you maybe you wenth. But how about can we try a different hypothetical or did you maybe you meant to do that. But how about can we try a different hypothetical or did you maybe you wenth. But had less in fire a course, if you did it at one year, you wouldn't be in compliance. But thow about can we try a different hypothetical or did you maybe you wenth. But had low a different hypothetical or did you maybe you meant to do that. But how about can we try a different hypothetical or did you maybe you meant to do that. But how about can we try a different hypothetical or did you maybe you meant to do that. But had low shout en we try a different hypothetical or did you maybe you meant to do that. But had low shout en we try a different hypothetical or did you maybe you meant to do that. But had low say out in significan							
1							
point, following your rebuttal report, you are still, depending on your analysis a batt where the Court draws the line as 14 about where the Court draws the line as 14 but where the Court draws the line as 14 for what's an exclusionary arrangement. 15 to what's an exclusionary arrangement. 16 Am I correct about that? 16 Am I correct about that? 17 MR. CRAMER: Objection to 17 Grm. 18 Grm. 19 THE WITNESS: I think that 19 to put significance of 365 days versus 366. 18 But how about can we try a 15 different hypothetical or did you maybe you meant to do that. 18 HY MR. ISAACSON: 18 Grm. 19 Gr		*			•		
you are still, depending on your analysis about where the Court draws the line as to what's an exclusionary arrangement.  The With that and that ultimately would fall to the cases, other economic  The With the decision-making based other cases, other economic  Taticles and, of course, most importantly, I go back to this, things should inform what the line should be.  The average career length of a fighter. I think that althose things should inform what the line should be a fair number. I have ried to pointed to the duration of the deuration in Zuffa's contracts when it had less market pointed to the duration of the contract.  By Mr. ISAACSON:  Q. Well, no. I was not trying to put significance of 365 days versus 366.  But if the Court drew the line at exclusionary contract of something that's more than one year and instead, that a one-year contract or less  Page 380  The articles and, of course, most importantly, I go back to this, a fighter. I think that all those things should inform what the line should be.  Thave tried to o-I have tried to o-I have tried to offer what I think would be a fair number. I have rein fact, in this report, I have to determine that contracts by reducing the duration, such that when I went to dot that.  By Mr. ISAACSON:  Q. Well, no. I was not trying to put significance of 365 days versus 366.  But if the Court drew the line at exclusionary contract of something that's more than one year and instead, that a one-year contract or less  Page 380  A. Got it. Got it. Sorry.  Then I didn't hear that the first time, but I am with you now.  Q. Okay. With that assumption, in your opinion, would an appropriate but-for world be contracts that were one year or less in duration, plus some other potential parameters that you pointed to in your report and that but-for world result in foreclosure shares of 30 percent, and I think would be the appropriate but-for world. It seems like we could result in foreclosure, it would no longer be in excess of 30 percent, and I think that getting the duration b					· · · · · · · · · · · · · · · · · · ·		
about where the Court draws the line as to what's an exclusionary arrangement.  Am I correct about that?  MR. CRAMER: Objection to form.  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significance of 365 days versus  THE WITNESS: I think that 19 to put significa			7				
to what's an exclusionary arrangement.  Am I correct about that?  Am I correct about that?  MR. CRAMER: Objection to form.  BY MR. ISAACSON:  BY MR. ISAACSO			5				
Am I correct about that?  MR. CRAMER: Objection to form.  THE WITNESS: I think that that ultimately would fall to the 20 after cases, other economic  Tarticles and, of course, most importantly, I go back to this, 3 the average career length of a 4 fighter. I think that all those 5 things should inform what the line should be.  Thave tried toI have tried to 0 fact, in this report, I have in 10 fact, in this report, I have in 10 for the duration of the contract.  By MR. ISAACSON:  1 articles and, of course, most importantly, I go back to this, 3 the average career length of a 10 fact, in this report, I have in 10 fact, in this report, I have in 10 for the duration of the contract.  By MR. ISAACSON:  1 articles and, of course, most importantly, I go back to this, 4 fighter. I think would be I have 10 for the duration of the contract. 15 power than it does now as what I 11 think would be a reasonable proxy for the duration of the contract. 15 power than it does now as what I 11 think would be the and of your rebuttal report, if the 20 Court were to determine that contracts exclusionary, would that if 22 wever exclusionary, would that if 22 would an appropriate but-for world an appropriate but-for world in violation of the antitrust laws is a 16 you maybe yeal, or law and I was not exclusionary tontraying to put significance of 365 days versus 366.  By MR. ISAACSON: 16 well in the Court drew the 12 in this fine court and instead, that a one-year contract of some than one year and instead, that a one-year contract of some than one year and instead, that a one-year contract of some than one year and instead, that a one-year contract of some than one year and instead, that a one-year contract of some than one year and instead, that a one-year contract of some than one year and instead, that a one-year contract of some than one year and instead, that a one-year contract of some than one year and instead, that a one-year contract of some than one year and instead, that a one-year contr							
17 MR. CRAMER: Objection to 18 form. 19 THE WITNESS: I think that 20 that ultimately would fall to the 21 fact-finder. I have tried to 22 inform the decision-making based 23 on my experience, my reading of 24 other cases, other economic  Page 380  1 articles and, of course, most 2 importantly, I go back to this, 3 the average career length of a 4 fighter. I think that all those 5 things should inform what the line 6 should be. 7 I have tried toI have 8 tried to offer what I think would 9 be a fair number. I have in 10 fact, in this report, I have 11 pointed to the duration in Zuffa's 12 contracts when it had less market 13 power than it does now as what I 14 think would be a reasonable proxy 15 for the duration of the contract. 16 BY MR. ISAACSON: 17 Q. Well, no. I was not trying 19 to put significance of 365 days versus 366. 20 But if the Court drew the 21 But if the Court drew the 22 line at exclusionary contract of 23 something that's more than one year and 24 instead, that a one-year contract or less  Page 382  Page 382  A. Got it. Got it. Sorry.  Then I didn't hear that the first time, but I am with you now.  Q. Okay. With that assumption, in your opinion, would an appropriate but-for world be contracts that were one year or less in duration, plus some other potential parameters that you pointed to in your report and that but-for world in your report and that but-for world. It seems like we could we could restructure the contracts by reducing the duration, such that when I went back and calculated that when I went back and calculated that when I went back and calculated for forcelosure, it would no longer be in end of your report and that but-for world. It seems like were exclusionary, would that if 20 court were to determine that contracts exclusive contracts of one year or more were exclusionary, would that if 21 would an appropria					* *		
18 form. 19 THE WITNESS: I think that 20 that ultimately would fall to the 21 fact-finder. I have tried to 22 inform the decision-making based 23 on my experience, my reading of 24 other cases, other economic 24 instead, that a one-year contract of 25 something that's more than one year and 26 instead, that a one-year contract or less 27 insportantly, I go back to this, 3 the average career length of a 4 fighter. I think that all those 25 things should inform what the line 26 should be. 1 have tried to offer what I think would 29 be a fair number. I have in 10 fact, in this report, I have 21 pointed to the duration in Zuffa's 12 contracts when it had less market 15 for the duration of the contract. 15 BY MR. ISAACSON: 17 Q. All right. And just to make sure I understand where you are now at 18 sure I understand where you are now at 20 would an appropriate but-for world a popropriate but-for world an appropriate but-for world in the and of your rebuttal report, if the 20 court were to determine that contracts exclusive contracts of one year or more were exclusionary, would that if 22 would an appropriate but-for world a violation of the antitrust laws is a 18 put significance of 365 days versus 366.  20 366.  21 But if the Court drew the ine to put significance of 365 days versus 366.  22 line at exclusionary contract of something that's more than one year and seculation in seatchlist and that a one-year contract of something that's more than one year and something that's more than one year and seculation in seculations and that a ne-year contract of something that's more than one year and something that's mo							
that ultimately would fall to the that that ultimately would fall to the inform the decision-making based on my experience, my reading of other cases, other economic  Page 380  1 articles and, of course, most importantly, I go back to this, 3 things should inform what the line should be.  5 things should inform what the line should be.  That tried to offer what I think would pointed to the duration in Zuffa's contracts when it had less market power than it does now as what I think would be a reasonable proxy for the duration of the contract.  BY MR. ISAACSON:  THE WITNESS: I think that all to the tast that under the decision-making based on my experience, my reading of 21 But if the Court drew the line at exclusionary contract of 23 something that's more than one year and instead, that a one-year contract or less 24 A. Got it. Got it. Sorry.  Then I didn't hear that the first time, but I am with you now.  Then I didn't hear that the first time, but I am with you now.  Then I didn't hear that the first time, but I am with you now.  Then I didn't hear that the first time, but I am with you now.  Then I didn't hear that the first time, but I am with you now.  Then I didn't hear that the first time, but I am with you now.  Then I didn't hear that the first time, but I am with you now.  Then I didn't hear that the first time, but I am with you now.  Then I didn't hear that the first time, but I am with you now.  Then I didn't hear that the first time, but I am with you now.  Then I didn't hear that the first time, but I am with you now.  Then I didn't hear that the first time, but I am with you now.  Then I didn't hear that the first time, but I am with you now.  Then I didn't hear that the first time, but I am with you now.  Then I didn't hear that the first time, but I am with you now.  Then I didn't hear that the first time, but I am with you now.  Then I didn't hear that the first time, but I am with you now.  Then I didn't hear that the first time, but I am with you now.  Then I didn't hear that the first time,							
that ultimately would fall to the fact-finder. I have tried to 21 fact-finder. I have tried to 22 inform the decision-making based 23 on my experience, my reading of 24 other cases, other economic 24 instead, that a one-year contract of 25 something that's more than one year and 26 instead, that a one-year contract or less 27 instead, that a one-year contract or less 28 instead, that a one-year contract or less 29 and 20 instead, that a one-year contract or less 29 and 20 instead, that a one-year contract or less 20 instead, that a one-year contract or less 20 instead, that a one-year co							
fact-finder. I have tried to inform the decision-making based 22 line at exclusionary contract of 23 something that's more than one year and 24 other cases, other economic 24 instead, that a one-year contract or less  Page 380  Page 380  Page 380  Page 380  Page 382  articles and, of course, most importantly, I go back to this, 2 importantly, I go back to this, 3 the average career length of a 4 fighter. I think that all those 5 things should inform what the line 5 things should be. 6 in your opinion, would an appropriate but-for world be contracts that were one 28 tried to offer what I think would 29 be a fair number. I have in 10 fact, in this report, I have 10 in your report and that but-for world 21 pointed to the duration in Zuffa's 11 power than it does now as what I 1 power than it does now as what I 1 think would be a reasonable proxy 14 think would be a reasonable proxy 14 think would be a reasonable proxy 14 think would be a reasonable proxy 15 for the duration of the contract. 15 appropriate but-for world. It seems like we could we could restructure the 18 the end of your rebuttal report, if the 20 Court were to determine that contracts 20 excess of 30 percent, and I think that 22 getting the duration below what the 19 for closure, it would no longer be in 22 getting the duration below what the 22 getting the duration below what the 23 would an appropriate but-for world in yould that if 22 getting the duration below what the 23 would an appropriate but-for world in yould an appropriate but-for world in yould in a port of the antitrust laws is a 4 the point and proper and proper and that but-for world in point and proper and proper and the point and proper and proper and the proper and that but-for world in point and proper and proper and the proper and pr							
22 inform the decision-making based 23 on my experience, my reading of 24 other cases, other economic  Page 380  Page 380  Page 380  Page 382  1 articles and, of course, most 2 importantly, I go back to this, 3 the average career length of a 4 fighter. I think that all those 5 things should inform what the line 6 should be. 7 I have tried to I have 8 tried to offer what I think would 9 be a fair number. I have in 10 fact, in this report, I have 11 pointed to the duration in Zuffa's 12 contracts when it had less market 13 power than it does now as what I 14 think would be a reasonable proxy 15 for the duration of the contract. 16 BY MR. ISAACSON: 17 Q. All right. And just to make 18 sure I understand where you are now at 19 the end of your rebuttal report, if the 10 Court were to determine that contracts 21 exclusive contracts of one year and 24 instead, that a one-year contract or less  Page 380  Page 380  Page 380  Page 380  A. Got it. Got it. Sorry.  Then I didn't hear that the first time, but I am with you now.  Q. Okay. With that assumption, in your opinion, would an appropriate but-for world be contracts that were one year or less in duration, plus some other potential parameters that you pointed to in your report and that but-for world result in foreclosure shares of 30 resul		•					
on my experience, my reading of other cases, other economic  Page 380  Page 380  Page 382  1 articles and, of course, most importantly, I go back to this, 3 the average career length of a fighter. I think that all those 5 things should inform what the line 6 should be. 6 I have tried to offer what I think would 8 tried to offer what I think would 9 be a fair number. I have in 9 potential parameters that you pointed to the duration in Zuffa's 12 contracts when it had less market 13 power than it does now as what I 14 think would be a reasonable proxy for the duration of the contract. 15 BY MR. ISAACSON: 16 SY MR. ISAACSON: 17 Q. All right. And just to make 18 sure I understand where you are now at 18 sure I understand where you are now at 18 the word would an appropriate but-for world 19 would an appropriate but-for world 10 for court were to determine that contracts 20 would an appropriate but-for world 19 for celosure, it would no longer be in excess of 30 percent, and I think that 21 getting the duration below what the exclusionary, would that if 22 fact-finded reasonabre and instead, that a one-year contract or less  Page 382  Page 382  Page 382  A. Got it. Got it. Sorry.  Then I didn't hear that the first time, but I am with you now.  Q. Okay. With that assumption, in your opinion, would an appropriate but-for world be contracts that were one year or less in duration, plus some other potential parameters that you pointed to in your report and that but-for world result in foreclosure shares of 30 percent or less?  A. Well, it's certainly getting closer to what I think would be the appropriate but-for world. It seems like we could we could restructure the contracts by foreclosure, it would no longer be in excess of 30 percent, and I think that getting the duration below what the fact of the antitrust laws is a							
24 other cases, other economic  Page 380  Page 380  1 articles and, of course, most importantly, I go back to this, 3 the average career length of a 4 fighter. I think that all those 5 things should inform what the line 6 should be. 7 I have tried toI have 8 tried to offer what I think would 9 be a fair number. I have in 9 potential parameters that you pointed to 10 fact, in this report, I have 11 pointed to the duration in Zuffa's 12 contracts when it had less market 12 power than it does now as what I 15 for the duration of the contract. 15 BY MR. ISAACSON: 16 BY MR. ISAACSON: 16 BY MR. ISAACSON: 17 Court were to determine that contracts 20 court were to determine that contracts 21 exclusive contracts of one year or more 21 getting that duration appropriate but-for world recursion and that power and that but appropriate but-for world recursion and that contracts are contracts by reducing the duration, such that when I went back and calculated for exclusionary, would that if 22 were exclusionary and in violation of the antitrust laws is a							
Page 380  1 articles and, of course, most 2 importantly, I go back to this, 3 the average career length of a 4 fighter. I think that all those 5 things should inform what the line 6 should be. 7 I have tried to I have 8 tried to offer what I think would 9 be a fair number. I have in 10 fact, in this report, I have 11 pointed to the duration in Zuffa's 12 contracts when it had less market 13 power than it does now as what I 14 think would be a reasonable proxy 15 for the duration of the contract. 16 BY MR. ISAACSON: 17 Q. Okay. With that assumption, 18 in your opinion, would an appropriate 19 but-for world be contracts that were one 10 in your report and that but-for world 11 pointed to the duration in Zuffa's 12 contracts when it had less market 13 power than it does now as what I 14 think would be a reasonable proxy 15 for the duration of the contract. 16 BY MR. ISAACSON: 16 We could we could restructure the 17 Q. All right. And just to make 18 sure I understand where you are now at 19 the end of your rebuttal report, if the 20 Court were to determine that contracts 21 exclusive contracts of one year or more 22 were exclusionary, would that if 23 would an appropriate but-for world. 23 violation of the antitrust laws is a						-	
articles and, of course, most importantly, I go back to this, the average career length of a fighter. I think that all those things should inform what the line should be.  I have tried to I have tried to offer what I think would be a fair number. I have in pointed to the duration in Zuffa's power than it does now as what I think would be a reasonable proxy for the duration of the contract.  BY MR. ISAACSON:  Q. All right. And just to make sure I understand where you are now at the average career length of a the average career length of a A. Got it. Got it. Sorry.  Then I didn't hear that the first time, but I am with you now.  Q. Okay. With that assumption, in your opinion, would an appropriate but-for world be contracts that were one year or less in duration, plus some other potential parameters that you pointed to in your report and that but-for world result in foreclosure shares of 30 percent or less?  A. Well, it's certainly getting closer to what I think would be the appropriate but-for world. It seems like we could we could restructure the contracts by reducing the duration, such that when I went back and calculated foreclosure, it would no longer be in court were to determine that contracts exclusive contracts of one year or more court were exclusionary, would that if would an appropriate but-for world  article Sort. Sorty.  A. Got it. Got it. Sorry.  Then I didn't hear that the first time, but I am with you now.  D. All an with you now.  Court were in it doen that the line in your opinion, would an appropriate but I am with you now.  D. Okay. With that assumption, in your opinion, would an appropriate but I am with you now.  D. Okay. With that assumption, in your opinion, would an appropriate but I am with you now.  D. Okay. With hat sesumption, in your opinion, would an appropriate but I am with you now.  D. Okay. With hat assumption, in your opinion, would an appropriate but-for world but-for world  court are in Juneau and propriate but-for world but-for world  are court are that the	2 1	other cases, other economic	Page 380	27	•	Page	382
importantly, I go back to this, the average career length of a fighter. I think that all those things should inform what the line should be. Thave tried to I have tried to offer what I think would pear a fair number. I have in potential parameters that you pointed to fact, in this report, I have pointed to the duration in Zuffa's contracts when it had less market power than it does now as what I think would be a reasonable proxy for the duration of the contract.  BY MR. ISAACSON:  Q. All right. And just to make sure I understand where you are now at the end of your rebuttal report, if the Court were to determine that contracts contracts on your pointon, would an appropriate but-for world an appropriate but-for world to but-for world to but-for world to but-for world in your report and that but-for world result in foreclosure shares of 30 percent or less?  A. Well, it's certainly getting closer to what I think would be the appropriate but-for world. It seems like we could we could restructure the contracts by reducing the duration, such that when I went back and calculated the end of your rebuttal report, if the Court were to determine that contracts exclusive contracts of one year or more could an appropriate but-for world court were exclusionary, would that if  were exclusionary, would that if  would an appropriate but-for world  a. Got it. Sorty.  Then I didn't hear that the first time, but I am with you now.  but I am with you now.  D. Okay. With that assumption, in your opinion, would an appropriate but-for world be contracts that were one to potential parameters that you pointed to in your report and that but-for world  contracts when it had less market the first time, but I am with you now.  A. Got it. Sorty.  A. Got it. Sorty.  A. Well, it's certainly getting closer to what I think would be the appropriate but-for world. It seems like we could we could restructure the contracts by reducing the duration, such that when I went back and calculated the duration below what the exclu			rage 500			rage	302
the average career length of a fighter. I think that all those things should inform what the line should be. I have tried to I have tried to offer what I think would peach a fair number. I have in fact, in this report, I have pointed to the duration in Zuffa's contracts when it had less market power than it does now as what I for the duration of the contract.  BY MR. ISAACSON:  Q. Okay. With that assumption, in your opinion, would an appropriate but-for world be contracts that were one year or less in duration, plus some other potential parameters that you pointed to in your report and that but-for world result in foreclosure shares of 30 percent or less?  A. Well, it's certainly getting think would be a reasonable proxy for the duration of the contract.  BY MR. ISAACSON: Q. Okay. With that assumption, in your opinion, would an appropriate but-for world be contracts that were one year or less in duration, plus some other potential parameters that you pointed to in your report and that but-for world  1 result in foreclosure shares of 30 percent or less?  A. Well, it's certainly getting closer to what I think would be the appropriate but-for world. It seems like we could we could restructure the contracts by reducing the duration, such that when I went back and calculated foreclosure, it would no longer be in excess of 30 percent, and I think that exclusive contracts of one year or more court were to determine that contracts excess of 30 percent, and I think that getting the duration below what the exclusive contracts of one year or more getting the duration below what the first time, but I am with you now.  D. Okay.  I have read but-for world							
fighter. I think that all those things should inform what the line things should be.  I have tried to I have tried to offer what I think would be a fair number. I have in  pointed to the duration in Zuffa's contracts when it had less market power than it does now as what I think would be a reasonable proxy for the duration of the contract.  BY MR. ISAACSON:  Q. Okay. With that assumption, in your opinion, would an appropriate but-for world be contracts that were one year or less in duration, plus some other potential parameters that you pointed to in your report and that but-for world result in foreclosure shares of 30 percent or less?  A. Well, it's certainly getting closer to what I think would be the appropriate but-for world. It seems like we could we could restructure the we could we could restructure the contracts by reducing the duration, such that when I went back and calculated the end of your rebuttal report, if the Court were to determine that contracts court were to determine that contracts court were exclusionary, would that if would an appropriate but-for world  but I am with you now.  Q. Okay. With that assumption, in your opinion, would an appropriate but-for world be contracts that were one but-for world be contracts that were one but-for world hat but-for world  A. Well, it's certainly getting closer to what I think would be the appropriate but-for world. It seems like we could we could restructure the contracts by reducing the duration, such that when I went back and calculated the end of your rebuttal report, if the court were to determine that contracts contracts by reducing the duration below what the getting the duration below what the getting the duration of the antitrust laws is a							
things should inform what the line should be.  I have tried to I have tried to offer what I think would be a fair number. I have in pointed to the duration in Zuffa's contracts when it had less market power than it does now as what I think would be a reasonable proxy for the duration of the contract.  BY MR. ISAACSON: Q. Okay. With that assumption, in your opinion, would an appropriate but-for world be contracts that were one year or less in duration, plus some other potential parameters that you pointed to in your report and that but-for world result in foreclosure shares of 30 percent or less?  A. Well, it's certainly getting closer to what I think would be the appropriate but-for world. It seems like we could we could restructure the contracts by reducing the duration, such that when I went back and calculated the end of your rebuttal report, if the Q. All right. And just to make the end of your rebuttal report, if the Court were to determine that contracts court were to determine that contracts court were exclusionary, would that if would an appropriate but-for world  S. Q. Okay. With that assumption, in your opinion, would an appropriate but-for world be contracts that were one year or less in duration, plus some other potential parameters that you pointed to in your report and that but-for world  1. Potential parameters that you pointed to in your report and that but-for world  1. Potential parameters that you pointed to in your report and that but-for world  1. Contracts when it had less market 1. A. Well, it's certainly getting that but-for world. It seems like we could we could restructure the contracts by reducing the duration, such that when I went back and calculated the end of your rebuttal report, if the contracts by reducing the duration below what the exclusive contracts of one year or more 20 excess of 30 percent, and I think that getting the duratio							
6 should be. 7 I have tried to I have 8 tried to offer what I think would 9 be a fair number. I have in 10 fact, in this report, I have 11 pointed to the duration in Zuffa's 12 contracts when it had less market 13 power than it does now as what I 14 think would be a reasonable proxy 15 for the duration of the contract. 16 BY MR. ISAACSON: 17 Q. All right. And just to make 18 year or less in duration, plus some other 9 potential parameters that you pointed to 10 in your report and that but-for world 11 result in foreclosure shares of 30 12 percent or less? 13 A. Well, it's certainly getting 14 think would be a reasonable proxy 15 appropriate but-for world. It seems like 16 by MR. ISAACSON: 16 we could we could restructure the 17 contracts by reducing the duration, such 18 sure I understand where you are now at 19 the end of your rebuttal report, if the 20 Court were to determine that contracts 21 excess of 30 percent, and I think that 22 exclusive contracts of one year or more 23 would an appropriate but-for world 24 would an appropriate but-for world 25 fact-finder deem exclusionary and in 26 violation of the antitrust laws is a					•		
I have tried to I have tried to offer what I think would be a fair number. I have in potential parameters that you pointed to in your report and that but-for world pointed to the duration in Zuffa's contracts when it had less market power than it does now as what I think would be a reasonable proxy for the duration of the contract.  BY MR. ISAACSON: Q. All right. And just to make sure I understand where you are now at the end of your rebuttal report, if the Court were to determine that contracts Court were to determine that contracts Court were exclusionary, would that if would an appropriate but-for world  but-for world be contracts that were one year or less in duration, plus some other potential parameters that you pointed to in your report and that but-for world  1 result in foreclosure shares of 30 percent or less?  A. Well, it's certainly getting closer to what I think would be the appropriate but-for world. It seems like we could we could restructure the contracts by reducing the duration, such that when I went back and calculated foreclosure, it would no longer be in excess of 30 percent, and I think that getting the duration below what the getting the duration below what the can but-for world  closer to what I think would be the appropriate but-for world. It seems like we could we could restructure the contracts by reducing the duration, such that when I went back and calculated the end of your rebuttal report, if the getting the duration below what the can but-for world  can but-for world  foreclosure, it would no longer be in getting the duration below what the getting the duration below what the can but-for world  can but-for world  contracts that were one appropriate but-for world		•					
tried to offer what I think would be a fair number. I have in  fact, in this report, I have  pointed to the duration in Zuffa's  contracts when it had less market  power than it does now as what I  for the duration of the contract.  BY MR. ISAACSON:  Q. All right. And just to make  sure I understand where you are now at  court were to determine that contracts  court were to determine that contracts  count were exclusionary, would that if  would an appropriate but-for world  result in foreclosure shares of 30  percent or less?  A. Well, it's certainly getting  think would be the  appropriate but-for world. It seems like  we could we could restructure the  contracts by reducing the duration, such  that when I went back and calculated  pforeclosure, it would no longer be in  court were exclusionary, would that if  would an appropriate but-for world  violation of the antitrust laws is a							
be a fair number. I have in fact, in this report, I have pointed to the duration in Zuffa's contracts when it had less market power than it does now as what I think would be a reasonable proxy for the duration of the contract.  BY MR. ISAACSON: Q. All right. And just to make sure I understand where you are now at the end of your rebuttal report, if the Court were to determine that contracts contracts of one year or more were exclusionary, would that if would respect to that you pointed to in your report and that but-for world the pointed to in your report and that but-for world that but-for world the pointed to in your report and that but-for world the veclosure shares of 30 percent or less?  A. Well, it's certainly getting the closer to what I think would be the appropriate but-for world. It seems like we could we could restructure the contracts by reducing the duration, such that when I went back and calculated that when I went back and calculated that when I went back and calculated that when I went back and I think that getting the duration below what the getting the duration below what the getting the duration of the antitrust laws is a							
fact, in this report, I have  pointed to the duration in Zuffa's  contracts when it had less market  power than it does now as what I  think would be a reasonable proxy  for the duration of the contract.  BY MR. ISAACSON:  Q. All right. And just to make  sure I understand where you are now at  the end of your rebuttal report, if the  Court were to determine that contracts  contracts of one year or more  would an appropriate but-for world  in your report and that but-for world  result in foreclosure shares of 30  percent or less?  A. Well, it's certainly getting  closer to what I think would be the  appropriate but-for world. It seems like  we could we could restructure the  contracts by reducing the duration, such  that when I went back and calculated  foreclosure, it would no longer be in  excess of 30 percent, and I think that  getting the duration below what the  getting the duration below what the  22 fact-finder deem exclusionary and in  violation of the antitrust laws is a					*		
pointed to the duration in Zuffa's contracts when it had less market percent or less?  Description of the contract.  Description of the duration of the duration of the duration, such that when I went back and calculated that when I went back and calculat							
12 contracts when it had less market 13 power than it does now as what I 14 think would be a reasonable proxy 15 for the duration of the contract. 16 BY MR. ISAACSON: 17 Q. All right. And just to make 18 sure I understand where you are now at 19 the end of your rebuttal report, if the 20 Court were to determine that contracts 21 exclusive contracts of one year or more 22 were exclusionary, would that if 23 would an appropriate but-for world  12 percent or less? 13 A. Well, it's certainly getting 14 closer to what I think would be the 15 appropriate but-for world. It seems like 16 we could we could restructure the 17 contracts by reducing the duration, such 18 that when I went back and calculated 19 foreclosure, it would no longer be in 20 excess of 30 percent, and I think that 21 getting the duration below what the 22 fact-finder deem exclusionary and in 23 violation of the antitrust laws is a		* *					
power than it does now as what I  think would be a reasonable proxy for the duration of the contract.  BY MR. ISAACSON: Q. All right. And just to make sure I understand where you are now at the end of your rebuttal report, if the Court were to determine that contracts court were to determine that contracts court were exclusionary, would that if would an appropriate but-for world  A. Well, it's certainly getting closer to what I think would be the appropriate but-for world. It seems like we could we could restructure the contracts by reducing the duration, such that when I went back and calculated foreclosure, it would no longer be in contracts of one year or more getting the duration below what the getting the duration below what the fact-finder deem exclusionary and in violation of the antitrust laws is a		*					
think would be a reasonable proxy for the duration of the contract.  BY MR. ISAACSON:  Q. All right. And just to make sure I understand where you are now at the end of your rebuttal report, if the Court were to determine that contracts court were to determine that contracts were exclusive contracts of one year or more would an appropriate but-for world  14 closer to what I think would be the appropriate but-for world. It seems like we could we could restructure the contracts by reducing the duration, such that when I went back and calculated foreclosure, it would no longer be in court were to determine that contracts getting the duration below what the getting the duration below what the contracts of one year or more contracts of one year or more contracts of 30 percent, and I think that contracts of one year or more contracts of 30 percent, and I think that contracts of one year or more contracts of 30 percent, and I think that contracts of one year or more contracts of 30 percent, and I think that contracts of one year or more contracts of 30 percent, and I think that contracts of one year or more contracts of 30 percent, and I think that contracts of one year or more contracts of one year or more contracts of 30 percent, and I think that contracts of one year or more contracts by reducing the duration, such that when I went back and calculated contracts of one year or more contracts by reducing the duration, such that when I went back and calculated contracts of one year or more contracts of one year or more contracts by reducing the duration, such that when I went back and calculated contracts of one year or more contracts by reducing the duration of the duration of the antitrust laws is a					*		
for the duration of the contract.  BY MR. ISAACSON:  Q. All right. And just to make sure I understand where you are now at the end of your rebuttal report, if the Court were to determine that contracts exclusive contracts of one year or more were exclusionary, would that if would we could we could restructure the contracts by reducing the duration, such that when I went back and calculated foreclosure, it would no longer be in excess of 30 percent, and I think that getting the duration below what the getting the duration below what the fact-finder deem exclusionary and in violation of the antitrust laws is a		-					
BY MR. ISAACSON:  Q. All right. And just to make 10 sure I understand where you are now at 11 that when I went back and calculated 12 the end of your rebuttal report, if the 13 contracts by reducing the duration, such 14 that when I went back and calculated 15 foreclosure, it would no longer be in 16 we could we could restructure the 17 contracts by reducing the duration, such 18 that when I went back and calculated 19 foreclosure, it would no longer be in 20 excess of 30 percent, and I think that 21 exclusive contracts of one year or more 22 were exclusionary, would that if 23 would an appropriate but-for world 24 getting the duration below what the 25 fact-finder deem exclusionary and in 26 violation of the antitrust laws is a							
Q. All right. And just to make  17 contracts by reducing the duration, such  18 sure I understand where you are now at  19 the end of your rebuttal report, if the  20 Court were to determine that contracts  21 exclusive contracts of one year or more  22 were exclusionary, would that if  23 would an appropriate but-for world  17 contracts by reducing the duration, such  18 that when I went back and calculated  19 foreclosure, it would no longer be in  20 excess of 30 percent, and I think that  21 getting the duration below what the  22 fact-finder deem exclusionary and in  23 violation of the antitrust laws is a							
sure I understand where you are now at the end of your rebuttal report, if the Court were to determine that contracts Court were to determine that contracts Court were exclusive contracts of one year or more were exclusionary, would that if would an appropriate but-for world  18 that when I went back and calculated foreclosure, it would no longer be in excess of 30 percent, and I think that getting the duration below what the 21 fact-finder deem exclusionary and in violation of the antitrust laws is a							
the end of your rebuttal report, if the Court were to determine that contracts exclusive contracts of one year or more were exclusionary, would that if would an appropriate but-for world  19 foreclosure, it would no longer be in excess of 30 percent, and I think that 21 getting the duration below what the 22 fact-finder deem exclusionary and in 23 violation of the antitrust laws is a							
Court were to determine that contracts 21 exclusive contracts of one year or more 22 were exclusionary, would that if 23 would an appropriate but-for world 20 excess of 30 percent, and I think that 21 getting the duration below what the 22 fact-finder deem exclusionary and in 23 violation of the antitrust laws is a							
21 exclusive contracts of one year or more 22 were exclusionary, would that if 23 would an appropriate but-for world 21 getting the duration below what the 22 fact-finder deem exclusionary and in 23 violation of the antitrust laws is a			_		•		
22 were exclusionary, would that if 23 would an appropriate but-for world 23 violation of the antitrust laws is a					-		
23 would an appropriate but-for world 23 violation of the antitrust laws is a		•					
	24	include one-year contracts or less, plus		24	smart way to go about it.		

	Page 383		Page 385
1		1	
1	Q. And from that and from	1	is exclusionary and in the first
2	that, your models your damages models	2 3	question, that they ruled that above one
3	and your second impact model would		year was exclusionary. Everything else
4	estimate would estimate damages impact	4 5	everything else is the same.
5	from that but-for world?	6	MR. CRAMER: Same objection.
6 7	MR. CRAMER: Objection to	7	BY MR. ISAACSON:
	form. Go ahead.		Q. You would still if Zuffa
8		8	moved its contracts down to two years or
9	THE WITNESS: If you give me	9	less, that would achieve foreclosure
10	a but-for foreclosure share, I can	10	shares of 30 percent or less?
11	tell you what the what the	11	A. I think that if we draw the
12	how much wages would go up by.	12	line, if one were to draw the line at 25
13	BY MR. ISAACSON:	13	months and if and if all of the
14	Q. All right. Now, if the	14	contracts came in at 24 months, then it's
15	Court were to rule that an exclusionary	15	almost tautological. If that's how we
16	contract is over two years and it's not	16	define foreclosure, then the foreclosure
17	exclusionary, it's two years or less, if	17	would come in at less than 30 percent.
18	you would an appropriate but-for world	18	Q. And in that situation, you
19	then be contracts that were two years or	19	would reach the same conclusion as to the
20	less, plus some other parameters, and	20	amount of damages and your second impact
21	that would achieve a foreclosure share of	21	analysis second impact model would
22	30 percent or less?	22	remain the same?
23	MR. CRAMER: I am going to	23	MR. CRAMER: Objection to
24	object to the extent that this	24	form, incomplete hypothetical,
	Page 384		Page 386
1	calls for a legal conclusion.	1	calls for a legal conclusion.
2	But go ahead and answer, if	2	THE WITNESS: I want to
3	you understand the question.	3	think about it a little more, but
4	THE WITNESS: Let me it	4	sitting here, it's not it's not
5	was a two-parter and let me take	5	obvious how I would change my
6	the second part, which is probably	6	impact model or damages model
7	easier. And that is, would it	7	based on that hypothetical. I
8	would it get you to a foreclosure	8	probably would want to think about
9	share below 30 percent? And I	9	it a little more.
10	think that by the construction of	10	But my what's giving me
11	your hypothetical, it would, if I	11	some reservation is that I
12	understood it correctly. You are	12	wouldn't draw the line at 24. I
13	saying the Court deems anything in	13	think the 24 represents too much
14	excess of 24 months	14	of a fighter's life span or career
15	MR. ISAACSON: Right.	15	span.
16	THE WITNESS: to be	16	And so that while it
17	exclusionary let me finish	17	would be a significant improvement
18	and you asked me to posit a world	18	over where things are today, it's
19	in which the contracts were	19	conceivable that a movement
20	exactly 24 months.	20	from 36, roughly where we are
21	BY MR. ISAACSON:	21	today, to 24, would it engender
22	Q. My intent is this question	22	different competitive effects than
23	two is the same as the last question. If	23	a movement from 36 to 12? I mean,
24	the Court has ruled that above two years	24	certainly at 12, the market is

			Page 38
1	more open, there is more worker		what you are doing here.
2	mobility.		2 MR. CRAMER: Asked and
3	Whether or not my model can		3 answered.
4	accommodate that distinction, I		4 THE WITNESS: I am referring
5	would want to think about it some		5 to any of the restrictions. I am
6	more. I just haven't thought		6 not I am saying that it would
7	about it yet.		be plausible that most, if not
8	BY MR. ISAACSON:		8 all, of them would go away. It's
9	Q. Looking at paragraph 198,		9 conceivable that some would stick
10	there is a couple things you have listed		around. But I think that what I
11	in your plausible but-for world, the		am trying to capture is a world in
12	third of which is clauses that allow		which in which fighters have
13	fighters enhanced mobility.		greater mobility.
14	What do you mean by that?		BY MR. ISAACSON:
15	A. I guess since I have already		Q. So when you are referring to
16	listed right-to-match, I would certainly		clauses that allow fighters enhanced
17	include right-to-match in that. But I am		mobility, are you assuming that most or
18	thinking of the other the other		all of the tolling provisions go away?
19	clauses that are extending the duration		A. If those tolling provisions
20	or otherwise, tying up or sewing up of		have the effect of extending the duration
21	fighters with Zuffa.		of the contracts beyond, say, 12 months,
22	Q. And the various tolling		then I think that in a more open and
23	provisions?		competitive environment, those tolling
24	A. Correct. Tolling or		restrictions would likely go away.
	Page 388	T	Page 39
1	exclusive the exclusive provision. I		1 Q. All right. So by clauses
2	mean, we could we could go through		2 that allow fighters enhanced mobility,
3	each one, but anything that		3 you are thinking of tolling provisions
4	Q. I would rather not.		4 that have the effect of extending the
5	A. Okay.		5 duration of the contracts beyond 12
6	MR. CRAMER: Were you done		6 months?
7	with your answer? Anything that		7 A. Correct.
8	you were about to say.		8 Q. And in your plausible
9	THE WITNESS: Yeah, anything		9 but-for world, all of those tolling
10	that extends the duration or		provisions would go away, most of them?
11	otherwise lessens mobility.		A. I think I gave you an
12	BY MR. ISAACSON:		example where I could conceive of a
13	Q. Okay. So but when you are		champion's clause staying around but
14	saying a plausible but-for world includes		effectively being negated by virtue of
15	clauses that allow fighters enhanced		other more mobility. I think the point
16	mobility, what are you referring to?		that I am trying to make here, just so
17	MR. CRAMER: Asked and	1	that it's clear if it wasn't, is that I
18	answered.	1	am trying to give some granularity to
19	BY MR. ISAACSON:	1	what Zuffa's most likely or most
20	Q. For example, are you	2	plausible contract would be in a but-for
21	referring to eliminating all of those	2	world, and given the given the record
22	tolling restrictions that you have	2	evidence, this is the best that I can do
23	pointed to or something less? I am	2	at trying to give some granularity to
24	trying to get an idea of what you are	2	that contract.



	Page 399		Page	401
		4	Page	4 U I
	Without going back over your	1	do is model a world in which the	
2	answers, have your opinions on that	2	challenged conduct is absent.	
3	changed from the first deposition?	3	BY MR. ISAACSON:	
4	MR. CRAMER: Objection to	4	Q. And in your but-for world,	
5	form.	5	is Zuffa still able to contract for some	
6 7	You can answer.	6 7	identity rights?	
8	THE WITNESS: No, my	8	A. I don't think that there is	
9	opinions haven't changed on that. BY MR. ISAACSON:	9	anything that I have written or read that	
10	Q. Your plausible but-for world	10	would suggest that it couldn't contract for identity rights.	
11	in paragraph 198 doesn't mention the	11	Q. And in your but-for world,	
12	ancillary rights provision.	12	can Zuffa contract for the identity	
13	Does the ancillary rights	13	rights of a fighter for one specific bout	
14	provision exist in your but-for world?	14	in perpetuity?	
15	A. If it's if it's part of	15	A. I don't think that I have	
16	the challenged conduct I am just going	16	offered an opinion with that kind of	
17	to say something that's tautological. If	17	granularity, and I don't think that I am	
18	it's part of the challenged conduct, then	18	prepared to say that it couldn't or could	
19	I think it most appropriately leaves in	19	in a but-for world, sitting here.	
20	the but-for world.	20	Q. All right. Does the but-for	
21	But I don't think that I	21	world you describe in your rebuttal	
22	in this section, just by memory, I don't	22	report include the sponsorship and	
23	recall finding what a sorry what a	23	endorsement clauses?	
24	smaller rival does with respect to the	24	MR. CRAMER: Objection to	
	Page 400		Page	402
1	ancillary rights provision or what Zuffa	1	form.	
2	did with respect to ancillary rights	2	THE WITNESS: There are	
3	provision when it had less market power.	3	certain aspects of the sponsorship	
4	So I don't think that in the	4	arrangement, in particular what I	
5	rebuttal report I gave any kind of	5	have referred to as the	
6	specificity or granularity with respect	6	sponsorship tax, that I thought	
7	to that provision, and I am reluctant to	7	were anticompetitive in my report.	
8	offer anything new today.	8	And so I would be loathed to say	
9	Q. All right. This is purely a	9	that we ought to just look the	
10	grammatical question. You said: I think	10	other way with respect to that	
11	it most appropriately leaves in the	11	one.	
12	but-for world.	12	But at the end of the day, I	
13	By that, do you mean that	13	don't I don't think that I am	
14	the ancillary rights provision most	14	offering a firm opinion as to	
15	appropriately is no longer in existence	15	as to the nature of those aspects	
16	in the but-for world?	16	of the agreement.	
17	MR. CRAMER: Misstates the	17	BY MR. ISAACSON:	
18	testimony.	18	Q. So if hypothetically Zuffa	
19	THE WITNESS: I think if	19	was broadcasting on Fox television and it	
20	it's part of the challenged	20	prohibited a fighter from wearing an ESPN	
21	conduct and if plaintiffs are	21	logo on their shorts, you wouldn't have	
22	including that in the challenged	22	an opinion or you wouldn't have an	
23	conduct, then we are as	23	opinion one way or the other as to	
24	economists, what we are trying to	24	whether that's in your but-for world; is	

	Page 403	1	Page 405
1	that fair?	1	
1		1	more money and did that with the same
2	A. I haven't expressed an	2 3	amount of fighters as today, have two- or
3	opinion. It seems to me a restriction of that nature could be consistent with a		three-year contracts, would that be
4		4	anticompetitive?
5	with a lower foreclosure share, and so as	5	MR. CRAMER: Incomplete
6	an economist, remember, I go back my	6	hypothetical, form.
7	model turns on the foreclosure share.	7	THE WITNESS: Well, when you
8	And so that's how I would attempt to	8	say did it the same as today, I
9	answer that question in the first	9	mean
10	instance. And I don't think that I my	10	BY MR. ISAACSON:
11	model or anything that I have written or	11	Q. The same amount, same
12	read can inform in any kind of	12	numbers.
13	intelligent way an answer to that	13	MR. CRAMER: Objection to
14	question.	14	form, incomplete hypothetical.
15	Q. Okay. The in looking,	15	THE WITNESS: I think I
16	again, at the substantially shorter	16	would need more specificity in the
17	duration fighter contracts of one year or	17	hypothetical. But if Zuffa
18	less, does that does that put any	18	engaged in some of the same
19	limit on Zuffa re-signing or extending	19	tactics that it did today to
20	the contract before the year expires in	20	secure extension, such as refusing
21	exchange for paying the fighter more	21	to either give a fighter a fight
22	money?	22	or giving the fighter an
23	A. Well, I think that the	23	inappropriate match-up as a
24	plaintiffs are complaining that Zuffa is	24	punishment for not extending, I
	Page 404		Page 406
1	strategically using certain provisions of	1	think that I think that that
2	the contract to lock fighters into	2	that is part of the challenged
3	effectively perpetual extensions when	3	conduct and I think that those
4	they want them. And given that that is	4	sorts of tactics would be absent
5	part of the challenged conduct, I	5	in a but-for world.
6	would I would at least hope that if we	6	BY MR. ISAACSON:
7	were to rewrite these in a way that they	7	Q. Okay. But all I am focused
8	were in compliance with the antitrust	8	on is if Zuffa pays more money to extend
9	laws, that that sort of gamesmanship	9	the contract, not the other not the
10	would be would be either disallowed or	10	other things you are pointing to.
11		11	A. I hear you.
12	much harder to engage in.		•
13	Q. Right. But in your opinion,	12 13	Q. If Zuffa did that and
	would those rewrite of the contracts		extended these contracts to the point
14	1 5 6	14	where they had the same effective
15	fighters more money to extend the	15 1.0	duration as the contracts have today,
16	J J	16	would that have an anticompetitive effect
17	1	17	in your view?
18	hypothetical.	18	MR. CRAMER: Objection to
19	THE WITNESS: I don't think	19	form, incomplete hypothetical.
20	that I have an opinion on that.	20	THE WITNESS: I mean, the
21	BY MR. ISAACSON:	21	way that I am hearing the question
22	Q. And if Zuffa did	22	is that if Zuffa were to behave
23	successfully extend the contracts beyond	23	competitively, and that is compete
24	one year by simply paying the fighters	24	on the merits, and keep fighters

		Page 407	Page 409
1	with higher payments as opposed to		exist today or guaranteed
2	the exclusionary provisions, you		contracts? Or incomplete
3	know, would that competition on		hypothetical. You need to
4	the merits be barred? And I would	II.	specify.
5	say that most likely not. If it's		5 MR. ISAACSON: You are doing
6	not part of the challenged		speaking objections now. So
7	conduct, then I think that it		7 MR. CRAMER: You are asking
8	sticks around in the but-for	II.	8 unfair and incomplete questions
9	world.		that are vague.
10	BY MR. ISAACSON:	1(	
11	Q. And if Zuffa offered	11	8
12	fighters contracts of one year or less	12	
13	and the fighters then bargained on their	13	
14	own behalf for longer contracts, is that	14	
15	permitted in the but-for world?	15	3
16	MR. CRAMER: Incomplete	16	$\mathcal{E}$
17	hypothetical.	15	$\mathcal{E}$
18	THE WITNESS: I am loathed	18	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
19	to say that the economic model	19	r
20	permits or disallows anything.	20	$\mathcal{E}$
21	The economic model requires, as	21	
22	its input, foreclosure share. And	22	, 6
23	what we are trying to do now in	23	1 1
24	this rebuttal report is to give	24	
	•	Page 408	Page 410
1	more flavor or more granularity to		1 fighter would ever want the certainty of
2	what a but-for world would look		2 a multiyear contract?
3	like consistent with that lower		MR. CRAMER: Objection to
4	foreclosure share.		form, incomplete hypothetical.
5	And so when you ask me a		5 THE WITNESS: Certainly not
6	question like this, it's not		6 the way that these contracts work.
7	it's not obvious how with that	-	7 I think that, you know, they work
8	with those ground rules how I can	3	8 as one-way ratchets, and I think
9	rule in or rule out certain		9 that you don't get paid unless you
10	aspects, unless they are obviously	10	of fight. And so the notion that I
11	part of the challenged conduct.	11	
12	BY MR. ISAACSON:	12	equal, want to extend the contract
13	Q. I want to go over this again	13	is just it's not obvious to me
14	because I don't understand your answer.	14	5
15	A. Okay.	15	
16	Q. The you have written that	16	6 BY MR. ISAACSON:
17	the plausible but-for world would have	17	Q. All right. But in your
18	fighter contracts of one year or less.	18	, , , , , , , , , , , , , , , , , , ,
19	Is that a result to have to	19	$\varepsilon$
20	end up one year or less, even if fighters	20	E S
21	ask for contracts greater than one year?	21	3
22	MR. CRAMER: Objection to	22	, 1
23	form. Do you mean contracts	23	
24	exactly like the contracts that	2.4	4 me to conceive if the standard

	Page 411		Ρασε	413
1	offering was 12 months, it's hard	1	Are you assuming that	
2	for me to conceive we could	2	Zuffa's competitors in your but-for world	
3	perhaps come up with some	3	would use the same level of	
4	hypothetical, but it's hard for me	4	nonrestrictive competition contract	
5	to conceive of a fighter saying,	5	provisions as Zuffa?	
6	you know what, I really would like	6	A. Let me hear that back.	
7	this stuff to tie me up for two	7	Q. Let me let me try it a	
8	years as opposed to one year. I	8	different way.	
9	just think that's that's a hard	9	A. Okay.	
10	thing for me to conceive.	10	Q. We looked at your plausible	
11	MR. CRAMER: Bill, we have	11	but-for world. And in that plausible	
12	been going about an hour.	12	but-for world, do you assume that Zuffa's	
13	Whenever it's a good time to take	13	competitors have the same types of	
14	a break, I would like to take a	14	contractual provisions as Zuffa does in	
15	break.	15	that in that world?	
16	MR. ISAACSON: Sure.	16	MR. CRAMER: Objection to	
17	MR. CRAMER: Now?	17	form.	
18	MR. ISAACSON: Yeah.	18	THE WITNESS: I think that	
19	MR. CRAMER: Okay. Let's go	19	there would be competition over	
20	off the record.	20	each of those dimensions in the	
21	THE VIDEOGRAPHER: The time	21	but-for world. And what and	
22	is 11:23 a.m. We are going off	22	what this piece of record evidence	
23	the record.	23	is suggesting is that if Zuffa	
24	the record.	24	were, say, barred from	
2 1	Page 412	27	·	414
				111
1	(Off the record at this	1	incorporating a right-to-match	
2	time.)	2	clause in its provision, then the	
3	THE MERCON ARMED TO ST	3	best response of its rivals would	
4	THE VIDEOGRAPHER: The time	4	be to take out the right-to-match	
5	is 11:36 a.m. We are back on the	5	clause in their own.	
6	record.	6	So in that sense, they would	
7	BY MR. ISAACSON:	l '	be likely the same on that	
8	Q. Dr. Singer, if you could	8	dimension but the same in a	
9	look at paragraph 236 of your rebuttal	9	different way, in an open way, as	
10	report. In paragraph 236	10	opposed to the same in a closed	
11	A. I am sorry. I am almost	11	way as they are today.	
12	there.	12	BY MR. ISAACSON:	
13	Q. Page 173.	13	Q. I know you have given the	
14	A. Okay. Got it.	14	reasons for your testimony. I am just	
		15	trying to understand your conclusions.	
		16	If Zuffa is restricted to	
		17	contracts of one year or less in	
		18	duration, are you assuming that its	
		19	that its competitors will also offer only	
		20	contracts of one year or less in	
2.2	The and then a	21	duration?	
22	The and then you go on to	22	A. I don't I don't want to	
23	describe the record evidence that you	23	say that they will necessarily be	
24	are that you are referring to.	24	identical, but I will say that Zuffa's	

	Page 475		Page 47
1	MR. ISAACSON: All right.	1	analyses for damages and one for impact
2	This would be a good time to break	2	that used the labor share of revenue as
3	for lunch.	3	the dependent variable to measure the
4	MR. CRAMER: All right.	4	existence or exercise of monopsony power;
5	Sure. We can go off the record.	5	is that fair?
6	THE VIDEOGRAPHER: The time	6	A. Can I hear that back?
7	is 12:51 p.m. We are going off	7	
8	the record.	8	(The reporter read from the
9		9	record as requested.)
10	(Off the record at this	10	
11	time.)	11	THE WITNESS: So there are
12		12	two alterations that I would like
13	THE VIDEOGRAPHER: The time	13	to make to that, just so that we
14	is 1:24 p.m. We are back on the	14	are precise. You said share of
15	record.	15	revenue, and, of course, I am
16	BY MR. ISAACSON:	16	using share of events revenue,
17	Q. If we could look at	17	which is an important distinction.
18	paragraph 46 of your rebuttal report, in	18	BY MR. ISAACSON:
19	46 you have a statement that Dr. Topel	19	Q. All right.
20	at the bottom of the paragraph that's on	20	A. The second point, of course,
21	page 37: Dr. Topel's use of price	21	is that the primary purpose of the model
22	indices for, quote, Sporting Events,	22	was to speak to anticompetitive effects,
23	unquote, and quote, Movies, Theaters and	23	impact and, of course, damages, and I
24	Concerts, end quotes, baselessly assumes	24	think you were asking me whether I also
	Page 476		Page 478
1	that market power is absent in these	1	used the model for to demonstrate
2	industries as well.	2	monopsony power.
3	Do you have which markets	3	Q. The existence or exercise of
4	are you referring to for sporting events?	4	monopsony power.
5	A. I would have to go back and	5	A. And I think that in my
6	check Dr. Topel's backup. These are	6	monopsony section of my original report,
7	this is a proxy that he is putting	7	I made reference to the model and its
8	forward.	8	results to corroborate other evidence
9	Q. All right. It was for	9	that I brought forward on the issue of
10	certain major league sports, correct?	10	monopsony power, but I think the
11	A. I don't I do not recall.	11	motivation of the model was for a
12	Q. All right. Do you have an	12	different purpose.
13	opinion whether market power is present	13	Q. Was the model was you
14	in any of the industries for any of the	14	used the model to determine
15	major league sports that sell tickets?	15	anticompetitive effect, including impact
16	A. I think it's a fairly	16	and damages?
17	reasonable assumption that the major	17	A. Right. So you could say
18	sports leagues have and their teams	18	that the model represents direct evidence
19	have market power.	19	of Zuffa's monopsony power and that it
20	Q. All right. I just want to	20	shows that Zuffa was able to push wages
21	make sure we covered this before, but	21	down below competitive levels.
22	I just want to make sure we are speaking	22	Q. All right. So I can
23	the same language.	23	describe it as a regression analysis that
24	You did a regression	24	you used for damages and in one case

	Page 479		Page 481
1	impact that used the labor share event	1	Q. So your regression analyses
2	revenue as the dependent variable to	2	for damages in one case for impact used
3	measure the alleged anticompetitive	3	the labor share of event revenues as the
4	effect, including the impact and damages,	4	dependent variable to measure the
5	of a monopsony?	5	anticompetitive effect, including the
6	MR. CRAMER: Objection to	6	impact and damages, of the conduct that's
7	form.	7	challenged in this case?
8	THE WITNESS: Very close.	8	A. I think that's fair.
9	At the very end of a monopsony, of	9	Q. Okay. All right. Now, can
10	a monopsonist who engaged in	10	you point me to any journal that has used
11	certain challenged conduct.	11	a regression analysis using the labor
12	Remember, we are trying to isolate	12	share of revenue need not be on an
13	the effect of the challenged	13	event basis the labor share revenue as
14	conduct. And I think as you put	14	
15		15	the dependent variable to measure the
16	it, it sounded as if we were	16	anticompetitive effect, impact or damages
	trying to isolate the effect	17	of any conduct by any conduct by a
17	Zuffa's monopsony.	18	monopsonist?
18			A. As you put it, I think there
19	Q. So the regression analysis	19	are several articles in my literature
20	Ş	20	review on the use of labor share to study
21	1	21	monopsony in the economics industry and
22	1	22	in general, and in sports economics, in
23	measure the anticompetitive effect,	23	particular, that use labor share as the
24	including the impact or damages, of	24	dependent variable in an econometric
	Page 480		Page 482
1	alleged monopsonistic conduct?	1	analysis.
2	MR. CRAMER: Objection to	2	Q. Which ones would you point
3	form.	3	to as having again, focusing on the
4	THE WITNESS: I don't I	4	on the use as the dependent variable?
5	don't like that one as much as the	5	A. Sure.
6	one that I gave you.	6	Q. If it helps you locate
7	MR. ISAACSON: I thought	7	things, you start talking about Scully
8	that's what you gave me.	8	around paragraph 94. I am not trying to
9	THE WITNESS: Monopsonistic	9	limit you but to sort of give you a
10	conduct is fairly broad, and Î	10	general location in your report.
11	think that we are looking at a	11	A. What page? I am sorry.
12	very particular type of conduct.	12	Q. Paragraph 94, page 73.
13	It's the challenged conduct here,	13	MR. CRAMER: And Section C
14	the exclusionary conduct. And	14	starts with page 69, the section
15	SO	15	where you discussed wage shares.
16	BY MR. ISAACSON:	16	MR. ISAACSON: I am sure you
17	Q. All right. I am just trying	17	have to go before and after where
18		18	I pointed you to.
19	A. Okay.	19	THE WITNESS: I think that I
20		20	would start with the Scully
21	A. Okay.	21	article. I plan to march through
22	Q. But I am trying to use your	22	these one by one, if that's okay
23		23	with you.
24	A. Okay.	24	
ــــــــــــــــــــــــــــــــــــــ	ii. Onuj.		

	Page 483		Page	485
1	BY MR. ISAACSON:	1	cited Scully '74 and 2004.	
2	Q. If you would just list them.	2	A. Oh, and then I cited in	
3	A. Sure. So the Scully article	3	footnote 340, the way that we found these	
4	from '74 uses labor share as the	4	articles was by was by looking back to	
5	dependent variable in the context of an	5	citations to Scully where the authors	
6	analysis of the impact of monopsony on	6	invoked the same lens of analysis to	
7	labor share and the relaxation of certain	7	study the impact of a of a change,	
8	restrictions, similar to the restrictions	8	typically in a restriction, but generally	
9	that are being challenged here.	9	of labor mobility on compensation in the	
10	In footnote 340, I list	10	sport among athletes.	
11	articles that themselves refer back to	11	Q. I think you said, sitting	
12	Scully's approach to estimating the	12	here today, you don't know whether any of	
13	impact of various changes in labor	13	the citations in footnote 340 ran a	
13 14	restrictions in professional sports that	14	regression with labor share as a	
15	also let me finish, please that	15	dependent variable?	
16	also study the impact using the same lens	16	A. That's correct.	
17	that I did, which is that of labor share.	17	Q. Okay. So please continue	
18	Q. All right. My question is	18	with answering my question about any	
19	only who ran regressions with the labor	19	other things you have cited where a	
20	share as a dependant variable?	20	regression was run with labor share as a	
21	A. I would I would want to	21	dependent variable.	
22	confirm each of those. Sitting here, I	22	A. Okay. Again, I am going to	
23	can't tell you that, in fact, they ran	23	put Kahn in the same category. This is	
24	regressions. Sometimes the analysis is	24	the cite on 346 and 347. I think I had	
	Page 484		Page	486
1		1		
1	to look at changes in labor share before	1	earlier cited to Kahn, but Kahn is using	
2	and after a change was made to the	2	labor share as the lens of analysis to	
3	restrictions in a sport. And I just		study a change to labor rules governing	
4	sitting here, I can't be certain that	4	baseball, and sitting here, I am	
5	each one of them used regressions. I can	5	hard-pressed to tell you that he used a	
6 7	be certain that the dependent variable or	6	regression, which is I think the heart of	
	the variable of interest was labor share.		the question, to control for other	
8	I would put Scully's article	8	factors that may have changed around the	
9	from 2004 into this category.	10	same time.	
10 11	Q. And when you say you would put it in this category, are you saying	11	But whether or not he did, I think the bone of contention between me	
12		12		
	Scully in 2004 ran a regression with labor shares of the dependent variable?	13	and your economist was whether was	
13	A. I believe so. I know	14	whether labor share was the appropriate	
14		15	lens with which to study the change in a	
15 1.0	that I know that the article uses		labor restriction on player compensation.	
16 17	labor share as the lens with which to	16 17	Q. My actual question is not	
10	view the impact of a change in a labor		MR. ISAACSON: And I move to	
18	market restriction in the sport, and I	18	strike the answer.	
19	know that there is econometrics in the	19	BY MR. ISAACSON:	
20	article. I can remember, for example,	20	Q is not what's your	
21	Scully estimating marginal revenue	21 22	response to the bones of contention	
22 23	products using econometric models. I will leave it at that.	23	between the economist in this case? I	
23 24		24	just want you to list articles with	
24	Q. Please so far, you have	L 4	regression analyses where the dependent	

	Page 559		Pag	e 561
1	authoritative source of MMA Fighter	1	A. Sitting here, I am not going	
2	rankings.	2	to be able to recall others, but it's	
3	And for that, you cite the	3	certainly conceivable that throughout my	
4	definition of Javier Vazquez?	4	report I have mentioned others.	
5	Is there anything else that	5	Q. Okay. In your rebuttal	
6	you would point to to support that?	6	report, paragraph 124?	
7	MR. CRAMER: He signed the	7	A. Okay. I have got it.	
8	exhibits, too.	8	Q. Right. So there is a	
9	MR. ISAACSON: Yes, he	9	discussion of coefficients that were not	
10	signed the deposition exhibits.	10	statistically significant. And you say	
11	MR. CRAMER: Let me just	11	that's not at all surprising that some	
12	lodge an objection. You've had	12	are not individually statistically	
13	many hours to depose the witness	13	insignificant, and you explain why.	
14	on the opening report, and this	14	A. I think you said oh,	
15	report was written a long time	15	never mind. Just keep keep going. I	
16	ago. You should have asked this	16	am sorry.	
17	question at the opening report.	17	Q. All right. And your	
18	MR. ISAACSON: No. We we	18	conclusion is it's not at all surprising	
19	allocated our we were allowed	19	that coefficients of some are	
20	to allocate our hours as to how we	20	individually statistically significant,	
21	wanted and whether we wanted to.	21	but this does not apply that these	
22	So we were allowed to do both	22	control variables are not collectively	
23	reports. That was the original	23	significant.	
24	deal.	24	A. You almost said it right,	
	Page 560		*	e 562
1	MR. CRAMER: That's not my	1	but I think you used significant when you	
2	understanding. I am not going to	2	meant to say insignificant. It's not	
3	direct him not to answer.	3	surprising that some are	
4	MR. ISAACSON: That was	4	Q. You are right. You are	
5	actually written down because I	5	right. Let me rephrase.	
6	Was	6	A individually I will	
7	MR. CRAMER: All right.	7	finish individually significant when	
8	•	8	you consider the fact that they are	
9	Well, I am not going to direct him	9	colinear with other a myriad of other	
10	not to answer. I am just saying you are asking him to remember	10	•	
11	something from a long time ago.	11	right-hand side variables in the regression.	
12	But go ahead.	12	Q. Let me rephrase my question.	
13	THE WITNESS: You are asking	13	In your opinion, it's not at all	
14	me if there are other sources of	14	surprising that coefficients on some are	
15		15		
16	authority beyond those cited in footnote 300	16	individually statistically insignificant,	
17	MR. ISAACSON: Yes.	17	but that does not apply to control	
18		18	variables are not collectively	
19	THE WITNESS: which	19	significant?	
	includes these exhibits, 42, 43		A. Well, let me hear the end of	
20	and 44, as to whether Zuffa	20	that.	
21 22	considers the Fight Matrix data to	21	(The more enter meed for the	
23	be authoritative?	23	(The reporter read from the	
23 24	BY MR. ISAACSON: Q. Yes.	24	record as requested.)	
17.4	O TES	14.4		

		. ]	Page 565
1	THE WITNESS: I don't know		
1 2	if that if that was phrased as	1 2	$\mathcal{E}$
3	a question. I can't I can't	3	•
4	hear the question. I can't make	4	1
		5	<b>,</b>
5	out the question.		
6	No, I hear it, I hear it. I	6	1 & S
7	just can't figure out what the	7	r
8	question is.	8	r
9	BY MR. ISAACSON:	9	$\mathcal{E}$
10	Q. That's your opinion.	10	r · · · · · · · · · · · · · · · · · · ·
11	A. But I think we have a common	11	
12	understanding of what of what	12	
13	happened. But	13	
14	Q. In your opinion, it's not	14	¥ 1
15	surprising that coefficients and some of	15	
16	your coefficients in your regression are	16	
17	individually statistically insignificant,	17	r
18	that does not apply that control	18	
19	variables are not collectively	19	
20	significant?	20	
21	A. If I could put it in my own	21	
22	words, it's not surprising that that	22	mark this as whatever the next
23	some of the individual variables are	23	exhibit is. We don't have many,
24	are statistically insignificant in light	24	but I have already lost track.
	Page 56		Page 566
1	of the fact that there is collinearity	1	MR. CRAMER: I think we are
2	among many of the explanatory variables	2	up to 9.
3	in the model.	3	
4	Q. You looked at the question	4	(Singer-9 marked for
5	in this case how do earnings. How do	5	
6	how does the labor share of revenue of	6	
7	fighters compare to what they would have	7	BY MR. ISAACSON:
8	earned in the competitive market; is that	8	Q. Exhibit-9 is an excerpt from
9	fair?	9	
10	A. I would like to say how it	10	
11	compares to a but-for world in which the	11	
12	challenged conduct were absent or a	12	
13	but-for world in which the foreclosure	13	
14	share was at tolerable levels, 30 percent	14	Q. Do you consider this a
15	or below.	15	•
16	Q. Okay. So the relevant	16	
17	question in this in this case to you	17	
18	is what is the labor share of revenue to	18	
19	fighters in a world in which the	19	
20	foreclosure share is at what you call	20	
21	tolerable levels, 30 percent or below?	21	$\mathcal{E}$
22	A. Correct.	22	
23	Q. Okay. And do you think it's	23	
24	an incorrect question in this case, how	24	

	Page 567		Page 569
1	specification and discover a, quote/end	1	MR. CRAMER: Go in the other
2	quote, wrong sign. Rather than	2	direction.
3	considering this a disaster, a researcher	3	THE WITNESS: Okay. I am at
4	should consider it a blessing this	4	398 now.
5	result is a friendly message that some	5	MR. CRAMER: You owe me one.
6	detective work needs to be done there	6	THE WITNESS: Okay.
7	is undoubtedly some shortcoming in one's	7	BY MR. ISAACSON:
8	theory, data, specification or estimation	8	Q. Okay. And so it lists
9	procedure theory, data, specification	9	omitted variable, high variances,
10	or estimation procedure.	10	selection bias, a Latin phrase, ceteris
11	And then he goes on to talk	11	paribus confusion, data
12		12	
13	about what you should do for some		definitions/measurements, outliers,
	additional detective work.	13	interaction terms, specification error,
14	Is that something you agree	14	simultaneity/lack of identification and
15	with?	15	bad instrument.
16	A. Yes.	16	Now, when you ran your
17	Q. Okay. And	17	regression, did you believe any of the
18	A. Just to put this in context,	18	signs in your variables appeared to be,
19	your expert is jumping up and down and	19	quote, wrong in the sense that
20	saying that there is the wrong sign, it	20	Mr. Kennedy is discussing?
21	must be a	21	A. No, that's not something
22	Q. Sir, there is no question.	22	that would concern me.
23	A a specification error.	23	Q. All right. Did you analyze
24	Q. There is no question	24	whether any of these ten factors were
	Page 568		Page 570
1	pending.	1	present determined whether as an
2	Now, then he goes on to list	2	explanation for the signs that you were
3	ten reasons for getting the wrong signs,	3	getting on your coefficients?
4	potential reasons.	4	A. Well, now I have been forced
5	Do you see No. 1 is omitted	5	to analyze multicollinearity as an
6	variable?	6	explanation for why we would get the
7	A. Yes.	7	wrong expected sign on two of the
8	Q. All right. And then after	8	variables. Same thing happened, of
9	that, there is high variances?	9	course, in Dr. Topel's model.
10	A. Do you want me to turn to	10	But this shouldn't change
11	3 the next page?	11	any inferences for what's important here,
12	Q. 398, right. It's 398, yes.	12	which is getting the best unbiased
13	It's actually	13	estimate of the foreclosure share on the
14	A. This may have been	14	wage share.
15	mis-stapled, but I can't I can't see	15	Q. So just so I understand,
16	<del></del>	16	after you got the results from your
17	Q. It's actually just the way	17	coefficients, you looked at the issue of
18	you folded it. If you look at page	18	collinearity.
19	you were on page 397.	19	Did you analyze any of the
20	A. Correct.	20	other ten factors as explanations for the
21	Q. Now you are on page 398.	21	signs you were getting on your
22	A. I know. I am looking to how	22	coefficients?
23	to get to 398, and I don't I don't see	23	A. Well, I was certainly
24	it. My next thing is 392, 393.	24	conscientious, in fact, more
	10. 111 1 HOAL HILLS 10 074, 070,	1	Compositions, in fact, inoic

		_	
	Page 647		Page 649
1	Q. All right.	1	INSTRUCTIONS TO WITNESS
2	MR. ISAACSON: Thank you. I	2	INSTRUCTIONS TO WITHLISS
			Di i ii
3	don't have any more questions.	3	Please read your deposition over
4	MR. CRAMER: Very good.	4	carefully and make any necessary
5	THE VIDEOGRAPHER: Okay.	5	corrections. You should state the reason
6	The time is 5:12 p.m. This is the	6	in the appropriate space on the errata
7	end of Dr. Hal Singer's	7	sheet for any corrections that are made.
8	deposition. We are going off the	8	After doing so, please sign the
		9	errata sheet and date it.
9	record.		
10		10	You are signing same subject to the
11	(The deposition concluded at	11	changes you have noted on the errata
12	5:12 p.m.)	12	sheet, which will be attached to your
13		13	deposition.
14		14	It is imperative that you return
15		15	the original errata sheet to the deposing
16		16	attorney within thirty (30) days of
17		17	receipt of the deposition transcript by
18		18	you. If you fail to do so, the
19		19	deposition transcript may be deemed to be
20		20	accurate and may be used in court.
21		21	•
22		22	
23		23	
24		24	
21			
	Page 648		Page 650
1	CERTIFICATE	1	
2		2	ERRATA
3		3	
4	I HEREBY CERTIFY that the	4	PAGE LINE CHANGE
5	witness was duly sworn by me and that	5	TAGE LINE CHANGE
6	the deposition is a true record of		
7	the testimony given by the witness.	6	
8		7	
9		8	
10		9	
11		10	
12		11	
13	Lori A. Zabielski	12	
14	Registered Professional Reporter	13	
15	CaseViewNet Reporter	$\frac{13}{14}$	<del></del>
16	Dated: January 24, 2018		
17	Dateu. January 24, 2010	15	
18		16	
		17	
19		18	
20		19	
21	(TDI C	20	
22	(The foregoing certification	21	
	of this transcript does not apply to any	22	
23	reproduction of the same by any means,		
	unless under the direct control and/or	23	
24	supervision of the certifying reporter.)	24	



	Page	651
ACKNOWLEDGEMENT OF DEPON	ENT	
	ENI	
I,, do hereby certify that I have read the		
foregoing pages, 338-652 PGS, and that		
the same is a correct transcription of		
the answers given by me to the questions		
therein propounded, except for the		
correction or changes in form or		
substance, if any, noted in the attached		
Errata Sheet.		
Errata Shoot.		
HAL J. SINGER, Ph.D. DATE		
HAL J. SHVOLK, TH.D. DATE		
Subscribed and sworn		
to before me this		
day of, 20		
My commission expires:		
Notony Dublic		
Notary Public		
	Page	652
I AWVER'S NOTES		
LAWYER'S NOTES		
PAGE LINE		
PAGE LINE		

